VIVOSUN

FlexFeed Drip Irrigation Kit

USER MANUAL

Love what you grow™

Welcome to VIVOSUN

At Vivosun, quality craftsmanship and innovation are at the core of every product we create. Should you require further support or wish to share any suggestions, please don't hesitate to contact us.

KEY FEATURES

EXTENSIVE APPLICATIONS

This efficient irrigation kit is suitable for a wide range of grow mediums such as soil, rock wool, clay pebbles and others.

QUIET & EFFICIENT

This submerged pump with a advanced DC motor and max water flow of 160L/H provides quiet irrigation and an efficient water-saving design.

VGROW COMPATIBILITY

Designed for VIVOSUN VGrow Smart Grow Box and can be programmed by VIVOSUN APP.

PRECISE IRRIGATION

Professional drip emitters and splitters provide even and precise irrigation.

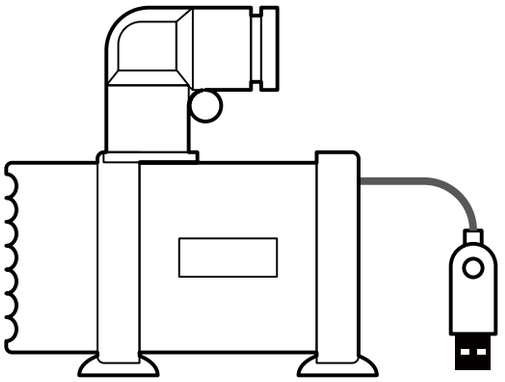
SIMPLE TO USE

Simple and reliable, this device requires minimum maintenance thanks to a light-blocking tube that prevents algal build-up.

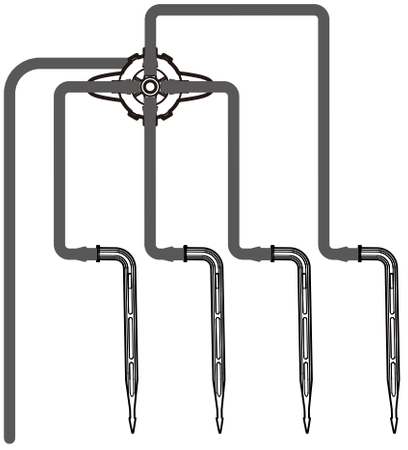
EASY TO INSTALL

Convenient and easy to install anywhere.

PRODUCT CONTENTS

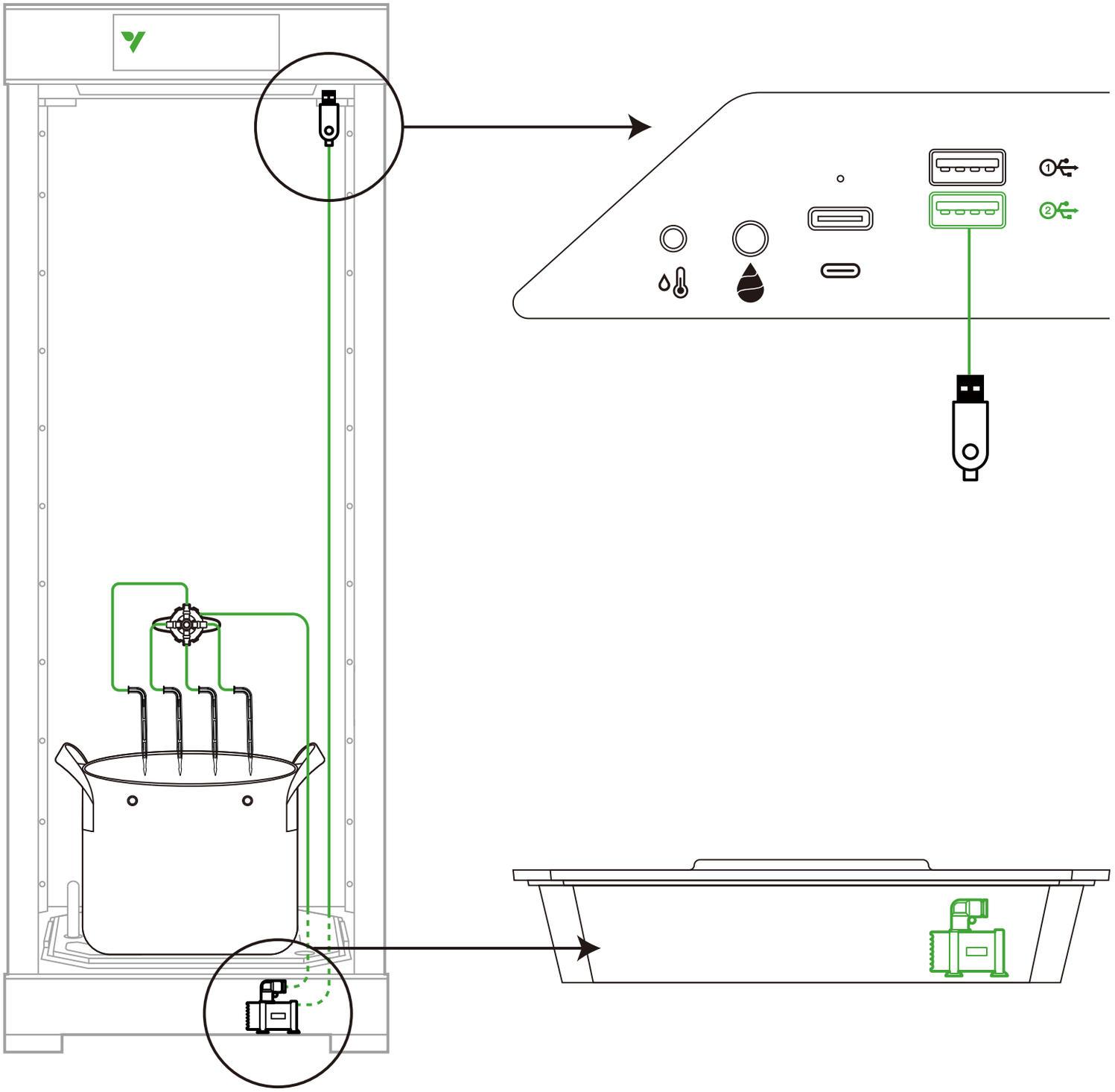


Water Pump
160 L/H MAX
1pc



Splitter+Drip Emmiters
4×50mm Tubing
1pc

SYSTEM DIAGRAM



SPECIFICATIONS

Power Input (Pump)	MAX 5W, DC 5V
Water Flow Rate (Pump)	160L/H max
Water Lift (Pump)	1.5m
Waterproof Level	IPX8
Drip Rate	40ml/min total drip emitters(Typ.)
Number of Drip Emitters	4
Irrigating Setting	One Pot (Suggested)
Growing Medium	Suitable for soil, coco coir, rock wool, clay pebbles and perlite
Operating Conditions	10°C-40°C (50°F- 104°F)

INSTALLATION

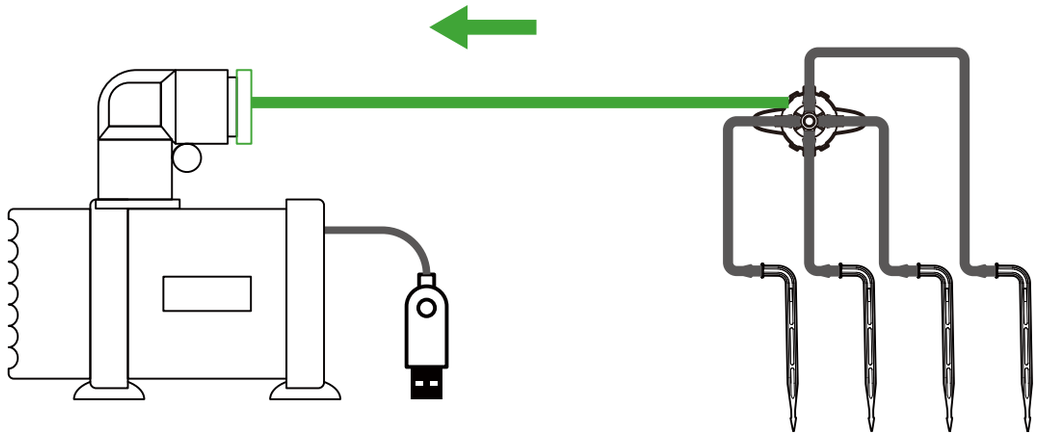
STEP 1

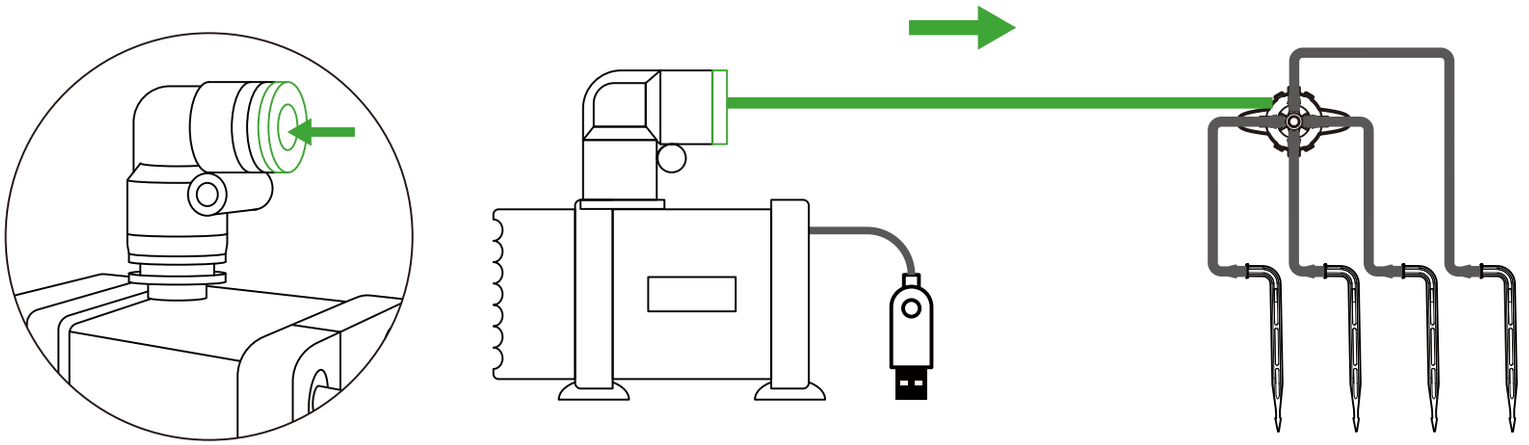
Insert the splitter tubing into the pump tubing connector.
Note: To check if the tubing is securely connected to the pump tubing connector, gently pull on the tubing near the connection point. If the tubing is properly secured, it will remain firmly attached to the connector and not detach easily when pulled.

To disconnect the tubing from the pump tubing connector:
1. Locate the blue colored release latch on the connector.
2. With one hand, use your fingers to depress and hold down the blue release latch.
3. With your other hand, grasp the tubing close to the connector and gently pull it straight out while continuing to hold down the release latch.
4. After the tubing is disconnected, release the blue latch.

INSTALLATION

STEP 1



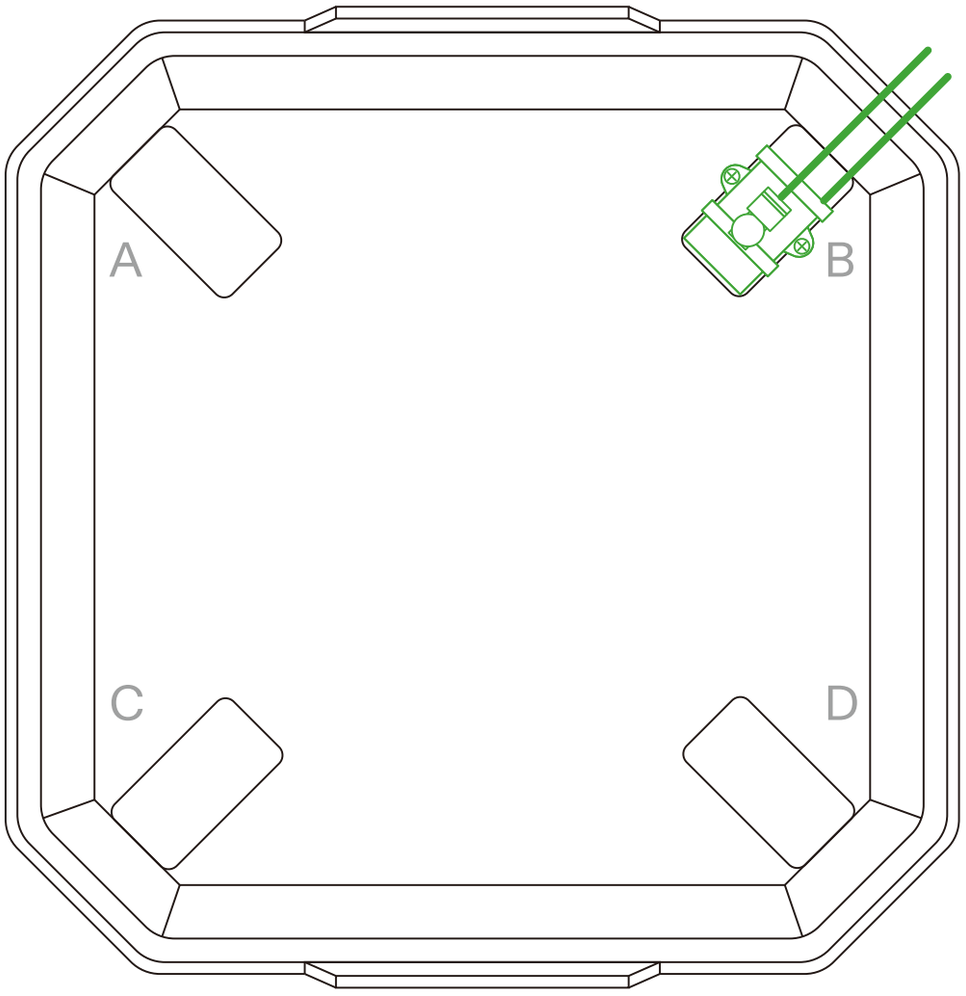


Press to disconnect

INSTALLATION

STEP 2

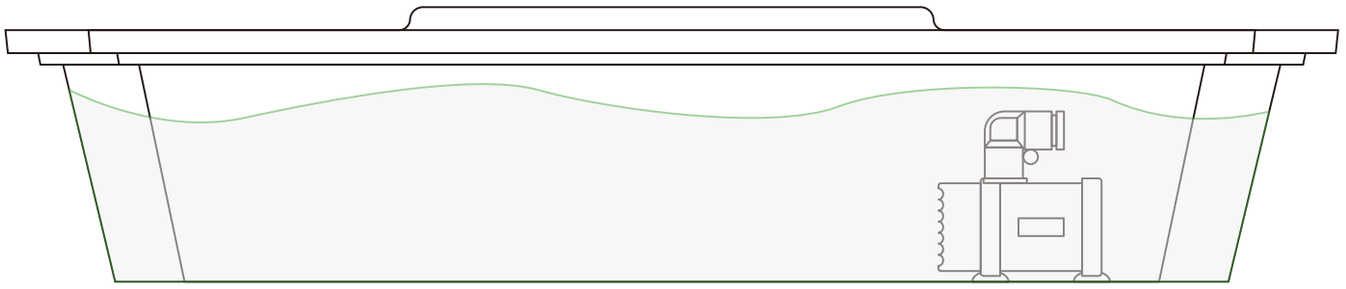
Position the pump in Corner B of the self-watering pot, aligning the 2 screw holes on the underside of the pump base with the holes in the pot. Orient the pump with the power and USB cables facing outward.



INSTALLATION

STEP 3

Add water and/or nutrient solution to the self watering pot until the pump is submerged.
Note: When in use, ensure the water level inside the self-watering pot remains above the top surface of the pump at all times.

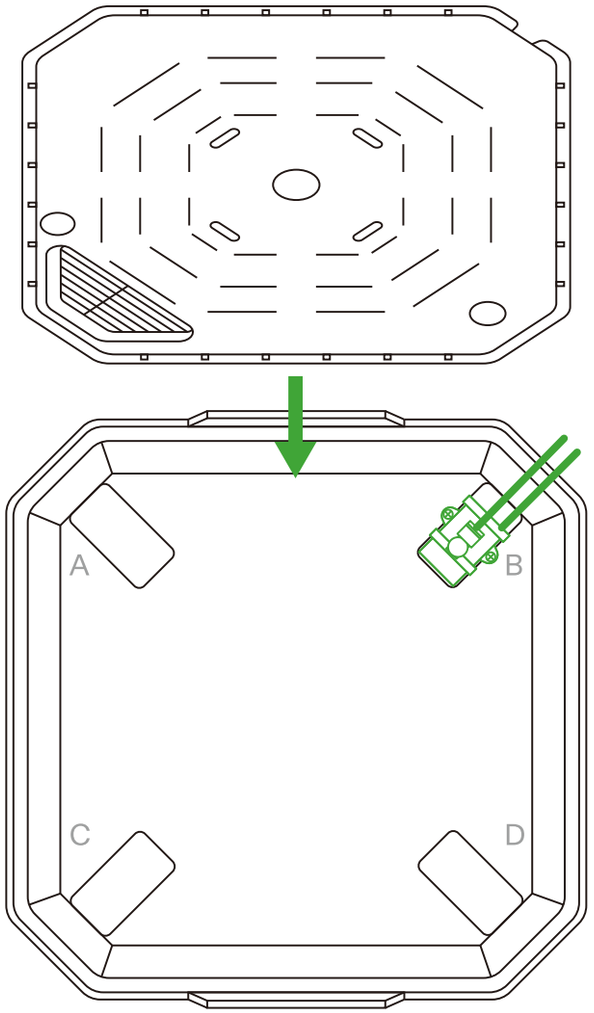


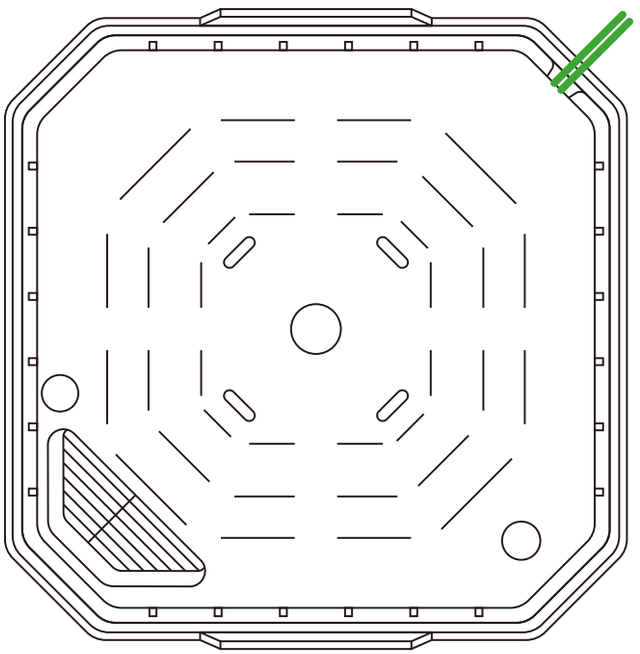
INSTALLATION

STEP 4

Neatly arrange the pump tubing and USB cable in Corner B. Carefully route both the pump tubing and USB cable to exit through the pre-cut hole on the side of the self-watering pot. With the cables passed cleanly through, place the lid back on.

Notice: Please remove the wicks from the lid when using drip irrigation.

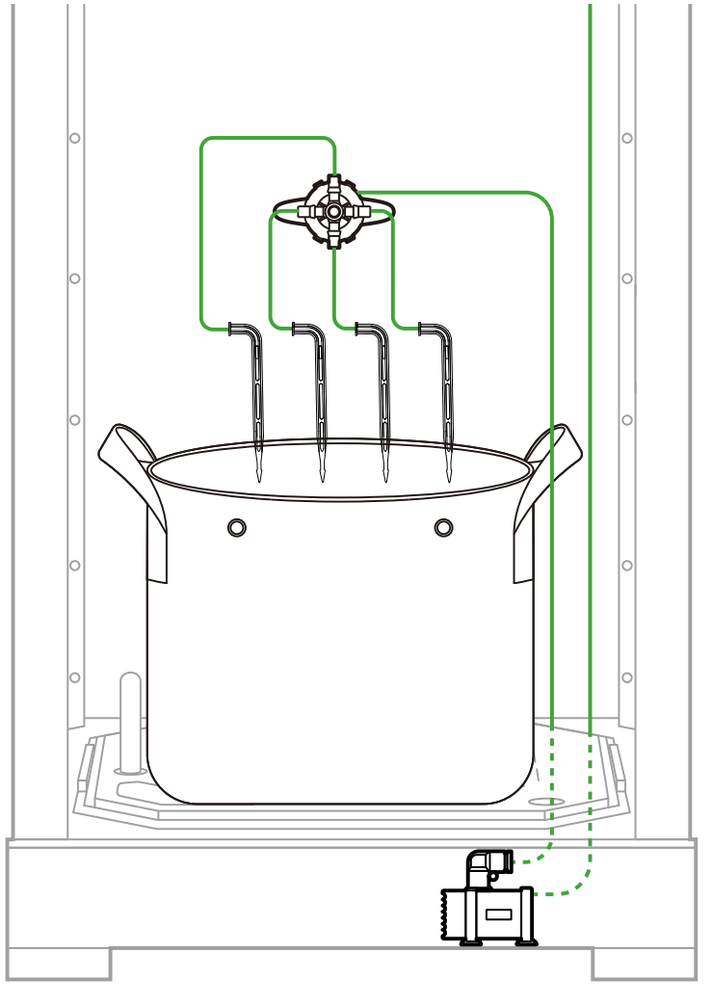


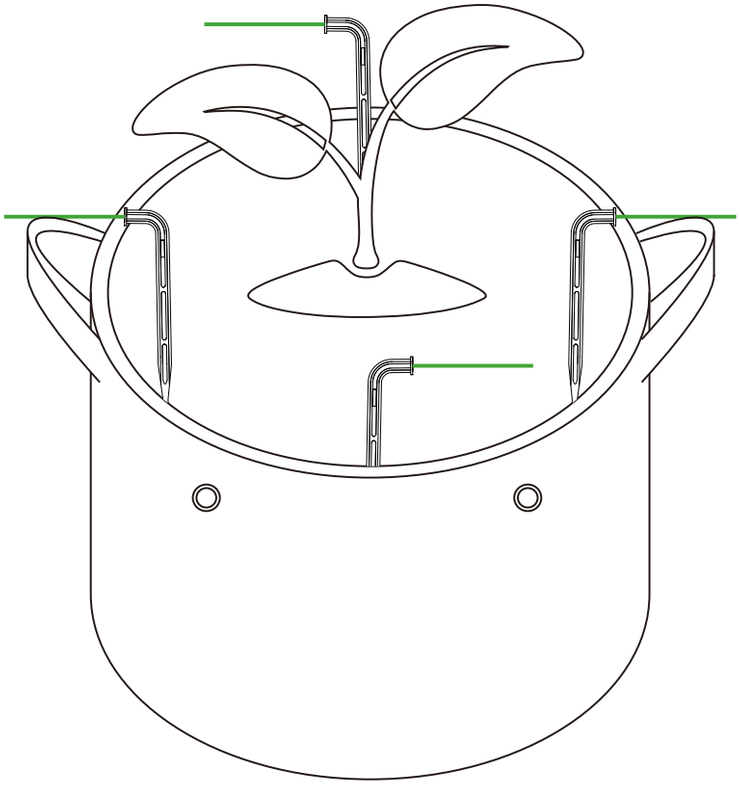


INSTALLATION

STEP 5

Insert the four drip emitters into the coco coir. We suggest evenly spacing them apart between the four corners around the plant.





INSTALLATION

STEP 6

Take the USB cable from the self-watering pot pump and connect it directly into USB Port 2 on the VGrow unit. Push firmly to ensure it is fully inserted. With the units connected, the pump can now be controlled. If your VGrow is paired to the VIVOSUN mobile app, you additionally have the ability to remotely control the pump from your smartphone.

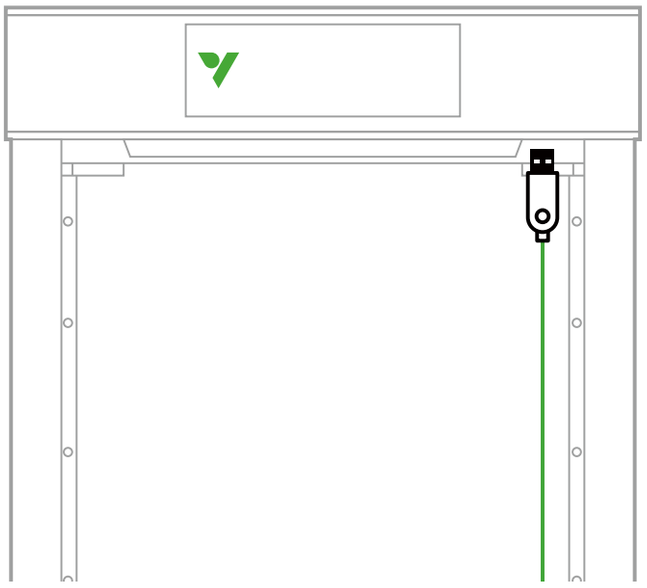
Note: Ensure the pump's USB cable is plugged into USB Port 2 on the VGrow Smart Grow Box. USB Port 2 is specifically designed for drip irrigation pump connectivity.

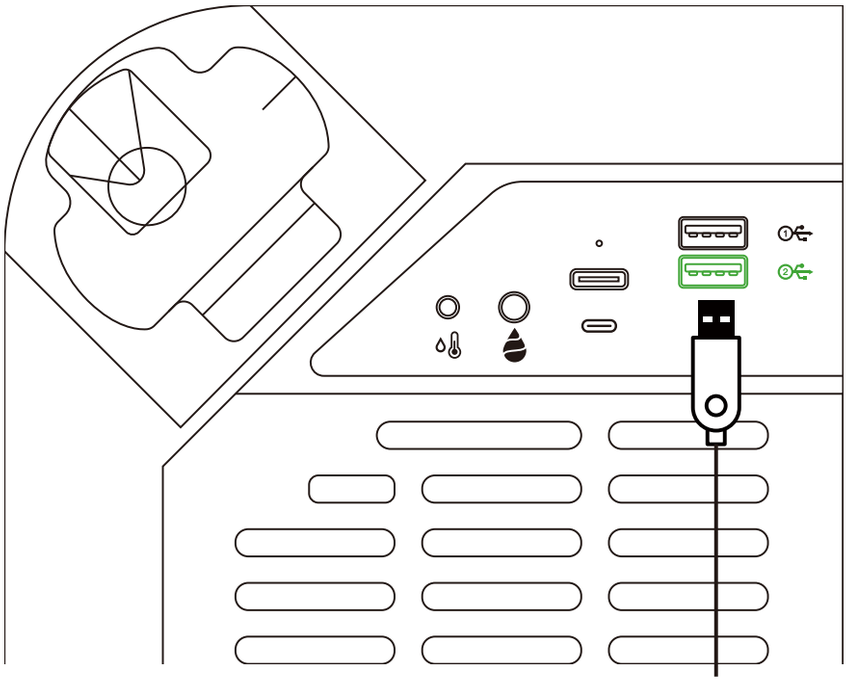
USB Port 1 on VGrow is reserved for power connectivity. Any device plugged into this port will remain constantly powered on.

By default, USB Port 2 provides pump control, while USB Port 1 provides power. However, customers can customize this configuration in the app settings if desired, switching Port 2 to power and Port 1 to pump control instead.

INSTALLATION

STEP 6





INSTALLATION

STEP 6

OPERATION

DEFAULT STAGE SETTINGS OF VGROW SMART GROW BOX

		Seedling	Vegetative	Flowering	Drying
Drip Irrigation Pump	ON/OFF Cycle (one hour after lighting)	5min	20min	35min	/
	Flow Rate	200ml	800ml	1400ml	/

APPLICATION

We suggest utilizing the FlexFeed Drip Irrigation Kit together with the VGrow Smart Grow Box.

However, this irrigation kit can alternatively work with a standalone 5V 1A USB power adapter if desired. If connecting to a separate USB adapter, please carefully read the following guidelines beforehand:

1. Growing medium

It is suggested to use this product in a loose and aerated growing medium such as mixed soil, coco coir, perlite, or rock wool.

2. Start time of each irrigation

Program the first scheduled irrigation cycle to occur 1-2 hours after your grow light system switches on. Ensure the last irrigation cycle of the day concludes 1-2 hours before your lights switch off. It is recommended to avoid irrigating when lights are off.

APPLICATION

3. Runtime of each irrigation

The pump runtime should be adjusted to adequately irrigate plants without over-saturating the medium. As a general guideline, set the pump timer to run so that irrigating water just begins seeping out the bottom drainage holes of the pot.

Note: Optimal runtime varies depending on pot size, plant type, growth stage, environment, etc.

4. Irrigation frequency

In the seedling and vegetative stages, plants should be irrigated 1-2 times per day. In the flowering stage, plants only need to be irrigated 1 time per day or every other day. Reduce irrigation times for larger pots.

Note: Optimal irrigation frequency varies depending on pot size, plant type, growth stage, environment, etc.

WARRANTY INFORMATION

Vivosun provides a 1-year warranty against defects on all FlexFeed Drip Irrigation Kit purchased directly from us or through our authorized dealers. This policy serves as our commitment to promptly address any manufacturing defects or premature breakage that may occur during normal use of our products.

Our warranty covers the replacement or refund of purchases that exhibit material defects within 1 year of the original purchase date. In such events, customers may contact us to initiate the claim process. We will need proof of purchase to verify coverage eligibility.

This policy does not extend to protects that have been misused, abused, or purposefully damaged. It also does not cover normal wear and tear or cosmetic defects such as minor scratches.

Customers can rest assured knowing that our products undergo rigorous quality testing procedures. This 1-year warranty reflects our confidence in the durability of our products under normal use.

If any product defects are found, customers are encouraged to contact us immediately. Your satisfaction is our priority, and we are committed to resolving any issues in a professional and timely manner.

WARNING

1. Please carefully read and follow the instructions in this manual before you start to install, operate and/or perform maintenance on this product.
2. This product has components with sharp edges. Be careful when installing and operating. Keep this product away from children.
3. DO NOT use the product in outside areas or in any hazardous locations such as near flammable, explosive, or corrosive chemicals.
4. When in use, ensure the water level inside the self-watering pot remains above the top surface of the pump at all times. DO NOT use it in corrosive or flammable liquid.
5. Disconnect the pump from the power outlet before installing, performing maintenance, moving, or if any water leaks are detected.
6. If your product is damaged, cease operation immediately and contact us for service. Disassembly or modification of the pump without Vivosun's express permission may cause damage and will void the warranty.

DO NOT dispose of this product with your regular trash. Electrical appliances contain hazardous materials that can harm the environment if not disposed of properly.

Please contact your local government for information on nearby drop-off centers or recycling programs that accept electronic waste.

AVERTISSEMENT

1. Veuillez lire attentivement et suivre les instructions de ce manuel avant de commencer à installer, utiliser et/ou effectuer l'entretien de ce produit.
2. Ce produit contient des composants avec des bords tranchants. Faites attention lors de l'installation et de l'utilisation. Gardez ce produit hors de portée des enfants.
3. NE PAS utiliser le produit dans des zones extérieures ou dans des lieux dangereux tels que des endroits proches de produits chimiques inflammables, explosifs ou corrosifs.
4. Lors de son utilisation, assurez-vous que le niveau d'eau à l'intérieur du pot auto-arrosant reste toujours au-dessus de la surface supérieure de la pompe. NE PAS l'utiliser dans des liquides corrosifs ou inflammables.
5. Débranchez et éteignez la pompe avant d'installer, d'effectuer un entretien, de déplacer ou si des fuites d'eau sont détectées.
6. Si votre produit est endommagé, cessez immédiatement son utilisation et contactez-nous pour un service. Le démontage ou la modification sans l'autorisation expresse de Vivosun peut entraîner des dommages et annuler la garantie.

AVERTISSEMENT

NE JETEZ PAS CE PRODUIT AVEC VOS DÉCHETS MÉNAGERS RÉGULIERS. Les appareils électriques contiennent des matériaux dangereux qui peuvent nuire à l'environnement s'ils ne sont pas éliminés correctement.

Veuillez contacter votre administration locale pour obtenir des informations sur les centres de dépôt ou les programmes de recyclage à proximité qui acceptent les déchets électroniques.

WARNUNG

1. Bitte lesen Sie die Anweisungen in diesem Handbuch sorgfältig durch und befolgen Sie diese, bevor Sie mit der Installation, dem Betrieb und/oder der Wartung dieses Produkts beginnen.
2. Dieses Produkt enthält Komponenten mit scharfen Kanten. Seien Sie beim Installieren und Bedienen vorsichtig und halten Sie es von Kindern fern.
3. Verwenden Sie das Produkt NICHT im Freien oder an gefährlichen Orten, wie zum Beispiel in der Nähe von entzündlichen, explosiven oder korrosiven Chemikalien.

WARNUNG

4. Stellen Sie sicher, dass der Wasserspiegel im Selbstbewässerungstopf während des Betriebs stets über der Höhe der Pumpe bleibt. Verwenden Sie es NICHT in korrosiven oder entzündlichen Flüssigkeiten.
5. Ziehen Sie den Stecker und schalten Sie die Pumpe aus, bevor Sie sie installieren, warten oder bewegen, oder wenn Sie Wasserlecks feststellen.
6. Sollte Ihr Produkt beschädigt sein, stellen Sie den Betrieb sofort ein und wenden Sie sich umgehend an unseren Service. Das Zerlegen oder Modifizieren ohne ausdrückliche Genehmigung von Vivosun kann Schäden verursachen und die Garantie erlöschen lassen.

ENTSORGEN SIE DIESES PRODUKT NICHT MIT IHREM REGULÄREN HAUSHALTSMÜLL. Elektrische Geräte enthalten gefährliche Materialien, die der Umwelt schaden können, wenn sie nicht ordnungsgemäß entsorgt werden.
Bitte wenden Sie sich an Ihre örtlichen Behörden, um Informationen über nahegelegene Sammelstellen oder Recyclingprogramme für Elektroschrott zu erhalten.

AVVERTENZA

1. Si prega di leggere attentamente e seguire le istruzioni in questo manuale prima di iniziare a installare, utilizzare e/o eseguire la manutenzione di questo prodotto.
2. Questo prodotto contiene componenti con bordi appuntiti. Fare attenzione durante l'installazione e l'uso. Tenere questo prodotto lontano dai bambini.
3. NON utilizzare il prodotto in aree esterne o in luoghi pericolosi, come quelli vicino a sostanze chimiche infiammabili, esplosive o corrosive.
4. Durante l'uso, assicurarsi che il livello dell'acqua all'interno del vaso autoirrigante rimanga sempre al di sopra della superficie superiore della pompa. NON utilizzarlo in liquidi corrosivi o infiammabili.
5. Scollegare e spegnere la pompa prima di installarla, eseguire manutenzione, spostarla o se si rilevano perdite d'acqua.
6. Se il prodotto è danneggiato, interrompere immediatamente l'uso e contattarci per assistenza. Smontare o modificare senza l'esplicita autorizzazione di Vivosun può causare danni e annullare la garanzia.

AVVERTENZA

NON SMALTIRE QUESTO PRODOTTO CON I RIFIUTI DOMESTICI REGOLARI. Gli apparecchi elettrici contengono materiali pericolosi che possono danneggiare l'ambiente se non smaltiti correttamente. Si prega di contattare il governo locale per informazioni sui centri di raccolta nelle vicinanze o sui programmi di riciclaggio che accettano rifiuti elettronici.

ADVERTENCIA

1. Lea atentamente y siga las instrucciones en este manual antes de comenzar a instalar, operar y/o realizar el mantenimiento de este producto.
2. Este producto tiene componentes con bordes afilados. Tenga cuidado al instalar y operar. Mantenga este producto fuera del alcance de los niños.
3. NO use el producto en áreas exteriores o en lugares peligrosos, como cerca de productos químicos inflamables, explosivos o corrosivos.
4. Durante el uso, asegúrese de que el nivel de agua dentro de la maceta de auto-riego se mantenga siempre por encima de la superficie superior de la bomba. NO lo use en líquidos corrosivos o inflamables.

ADVERTENCIA

5. Desenchufe y apague la bomba antes de instalarla, realizar mantenimiento, moverla o si se detectan fugas de agua.
6. Si su producto está dañado, detenga el uso de inmediato y contáctenos para el servicio. Desmontar o modificar sin el permiso expreso de Vivosun puede causar daños y anular la garantía.

NO DESECHE ESTE PRODUCTO CON LA BASURA DOMÉSTICA REGULAR. Los aparatos eléctricos contienen materiales peligrosos que pueden dañar el medio ambiente si no se eliminan correctamente.

Póngase en contacto con su gobierno local para obtener información sobre centros de recogida cercanos o programas de reciclaje que acepten desechos electrónicos.

WAARSCHUWING

1. Lees de instructies in deze handleiding zorgvuldig door en volg deze voordat u begint met het installeren, gebruiken en/of onderhouden van dit product.

WAARSCHUWING

2. Dit product bevat onderdelen met scherpe randen. Wees voorzichtig bij het installeren en gebruiken. Houd dit product uit de buurt van kinderen.
3. Gebruik het product NIET in buitenshuis of in gevaarlijke locaties, zoals in de buurt van ontvlambare, explosieve of corrosieve chemicaliën.
4. Zorg ervoor dat het waterniveau in de zelfbewateringspot altijd boven het bovenste oppervlak van de pomp blijft tijdens gebruik. Gebruik het NIET in corrosieve of ontvlambare vloeistoffen.
5. Trek de stekker uit en zet de pomp uit voordat u deze installeert, onderhoudt, verplaatst of als er waterlekkages worden gedetecteerd.
6. Als uw product beschadigd is, stop dan onmiddellijk met het gebruik en neem contact met ons op voor service. Het demonteren of aanpassen zonder uitdrukkelijke toestemming van Vivosun kan schade veroorzaken en de garantie ongeldig maken.

GOOI DIT PRODUCT NIET MET UW REGULIERE AFVAL WEG. Elektrische apparaten bevatten gevaarlijke materialen die het milieu kunnen schaden als ze niet op de juiste manier worden weggegooid. Neem contact op met uw lokale overheid voor informatie over nabijgelegen inleverpunten of recyclingprogramma's die elektronisch afval accepteren.

Designed by VIVOSUN in California.

Made in China